CLAIMS

1. An electronic brake comprising:

a motor having input connection terminals;

an input voltage source for alternating current;

an inductive relay or switch having first and second input terminals connected to the input voltage source, said inductive relay or switch including an inductive element connected across the input voltage source, a run mode terminal connected to the first input terminal, a braking mode terminal connected to the second input terminal, and a common terminal selectively connected to either the run mode terminal or the braking mode terminal;

a diode having a cathode side connection terminal and an anode side connection terminal to which the run mode terminal is connected by way of a first common node to one of the input connection terminals of the motor;

a first resistive element connected in series between the cathode side connection terminal of the diode and the braking mode terminal;

an electrolytic capacitive element having a positive side terminal and a negative side terminal;

a second resistive element connected in series between the braking mode terminal and the positive side terminal of the capacitive element; and

a second common node shared with the second input terminal of the inductive relay or switch and another one of the input connection terminals of the motor.

2. An electronic brake according to claim 1, wherein:

said motor is an alternating current-type.

3. An electronic brake according to claim 2, wherein:

said alternating current-type motor has a shaded pole and a coil.

4. An electronic brake according to claim 1, wherein:

said motor is an induction-type.

5. An electronic brake according to claim 4, wherein:

said induction-type motor uses a permanently split capacitor.